

**HAZRATBAL, SRINAGAR- 190006 (J&K)**  
 (Planning & Development Wing)  
 Tel: 0194-2102157 Fax: 0194-2420475

**E-TENDER NOTICE**  
**BID DOCUMENT**  
**[Two Cover system]**

Tender No. NITS/PnD/ET/2020/Elect/01

Date: 25/08/2020

For & on behalf of Chairman Board of Governors NIT Srinagar, e-tenders (**in single cover system**) are invited on **percentage basis** from approved and eligible Electric Contractors registered with state PDD, CPWD (Electric), MES (Electric) for the below mentioned works:-

S. No	Particulars of Items	Cost of work	Earnest money	Completion period	Class of contractor	Cost of T.D
01	Electrification of newly constructed Extension Building of Computer Science and ECE Engineering Department	Rs. 17.74/- lacs	Rs. 35,480/-	60 days	A,B class	Rs. 50/-

**TERMS & CONDITIONS:-**

- The Bidding documents Consisting of qualifying information, eligibility criteria, specifications, Drawings, bill of quantities (B.O.Q), Set of terms and conditions of contract and other details can be seen/downloaded from the NIT website [www.nitsri.ac.in](http://www.nitsri.ac.in) as per schedule of dates given below:-

Sl. No	Description of work	Bid Security to be given in INR	Last Date & Time for purchase of bid document online	Last date & Time for online submission of bids	Date/Time for opening of Technical bid
1	Electrification of newly constructed Extension Building of Computer Science and ECE Engineering Department	Rs. 35,480/-	07.09.2020 at 22:00	09.09.2020 at 13:00	09.09.2020 at 14:30 <b>in the office of Executive Engineer P&amp;D Wing</b>

- Bids must be accompanied with cost of Tender document in shape of **NIT, Chest receipt/(Mentioning therein Nomenclature of the work and Advertised Cost)** in favour of **Sr. Executive Engineer (Electric) P&D Wing NIT, Srinagar (tender inviting authority)** and **Earnest money / Bid security in shape of CDR/FDR** pledged to **Dean P&D Wing, NIT, Srinagar (tender receiving authority)**.
- The date and time of opening of Bids shall be notified on Web Site [www.nitsri.ac.in](http://www.nitsri.ac.in) and conveyed to the bidders automatically through an e-mail message on their e-mail address. The **bids of Responsive bidders** shall be opened online on same Web Site in the Office of **Dean P&D Wing NIT, Srinagar (tender receiving authority)**.
- The bids for the work shall remain **valid for a period of 120 days from the date of opening of Technical bids**
- The earnest money shall be forfeited, If:-
  - Any bidder/ tenderer withdraw his bid/ tender during the period of bid validity or makes any modifications in the terms and conditions of the bid.

- b. *Failure of Successful bidder to furnish the required performance security within the specified time limit.*
- c. *Successful bidder to execute the agreement within 28 days after fixation of contract.*
6. **Instruction to bidders regarding e-tendering process.**
- 6.1. Bidders are advised to download bid submission manual from the "Downloads" option as well as from "Bidders Manual Kit" on website **www.nitsri.ac.in** acquaint bid submission process.
- 6.2. To participate in bidding process, bidders have to get 'Digital Signature Certificate (DSC)' as per Information Technology Act-2000. Bidders can get digital certificate from any approved Vendor.
- 6.3. The bidders have to submit their bids online in electronic format with digital Signature. No bid will be accepted in physical form.
- 6.4. Bids will be opened online as per time schedule.
- 6.5. Bidders must ensure to upload scanned copy of all necessary documents with the bid.
- 6.6. **Bidders must ensure to upload scanned copy of all necessary documents with the technical bid.**
- Note: - Scan all the documents on 100 dpi with black and white option.**
7. Scanned copy of cost of tender document in shape of NIT, Chest (**Mentioning therein the NIT No., nomenclature of the work and Advertised Cost**) in favour of **Sr. Executive Engineer (Electric) P&D Wing NIT, Srinagar** and Earnest Money / Bid Security in shape of CDR/FDR. (**The date of earnest money/Bid security should be between the date of start of bid and Bid Submission End date**) pledged to **Sr. Executive Engineer (Electric) P&D Wing Srinagar** must be uploaded with the documents of the bid. The original NIT Chest (cost of tender document), CDR/FDR (earnest money/bid security) and relevant bid documents shall be obtained from the lowest bidder before the fixation of contract.
8. Any item or items of work beyond the allotted items necessitated at site if any shall be also paid on allotted appreciation/depreciation on the Estimated Rate.
9. Bidders are advised to use "**My Documents**" area in their user on R&B e-Tendering portal to store such documents as are required.
10. **Instructions to Bidder (ITB)**
- a. *All bidders shall upload the following information and documents along with qualification criteria / qualification information with their bids:-*
- b. *Copies of original documents defining constitution/ legal status, place of registration and principal place of Business with Cell No. and Correspondence address.*
- c. *Treasury Challan/CDR/FDR*
- d. *Scanned Copy of PAN Card*
- e. *Scanned Copy of GSTIN Registration and latest clearance certificate FORM GST-3B i.e. latest clearance certificate FORM GST-3B of the preceding Month to the issued of NIT.*
11. *All documents relating to the bid shall be in the English Language.*
12. **Bidder must ensure to upload scanned copies of all necessary documents including earnest money and tender documents fee in terms of soft copies with technical bid. No document (s) which has /have not been uploaded shall be entertained in the form of hard copy. However, in case of any clarification the bidders shall have to produce original documents in support of soft copies if need arises**
13. The date of start of the work shall be reckoned within one week from the date of issuance of LOI/Contract allotment as the case may be.
14. **Penalty for delay in completion:-**In case of delay in completion of work beyond stipulated period of completion, penalty upto Rs. 500/- perday shall be imposed.
15. **The tender receiving authority reserves the right to accept or reject any tender or all tenders without assigning any reason thereof.**
16. **Unbalanced Bid:- In case bid of the bidder is unbalanced, the bidder has to upload additional performance security in shape of CDR/FDR as per the breakup**

**given below, failing which the tender shall be rejected. (The date of CDR/FDR should be between the date of start of bid and bid submission end date).**

S.No	Percentage of unbalance bid viz., advertised cost on account of Low rates	Additional Performance Security
01.	Upto and including 15% below	Nil
02.	>15% upto and including 20% below	5% of Advertised Cost
03.	>20% upto and including 25% below	10% of Advertised Cost
04.	>25% upto and including 30% below	15% of Advertised Cost
05.	> 30% below	20% of Advertised Cost

***The additional performance security shall be released only after successful completion of work.***

17. **Restoration of work:-** On completion of contract the contractor shall be responsible to remove all un-used material and restore all work in its original position at his own cost.
18. **Traffic regulations:-**The contractor is bound to adhere to traffic regulations as is applicable from time to time and ensure arrangements of smooth regulation of traffic during execution of work.
19. **Defect Liability period:-** The DLP shall be Calculated from date of certified completion of work and period **shall be 06months.** *The defects noticed in the work during execution or D.L.P. shall be corrected by the Contractor within the length of time specified by the Engineer. If the contractor does not correct the defects pertaining to D.L.P. to the satisfaction of the Engineer within the time specified, the Engineer will assess the cost of having the defects corrected and contractor will pay this amount on correction of defects.*
20. The date of start of work shall be reckoned within seven days from the date of issuance of allotment/ Letter of intent. In case the agency fails to execute the work, the deposits in the shape of CDR and Additional performance guarantee shall be liable for forfeiture besides initiating other punitive actions against the defaulter without serving any notice.
21. **Tests:-**The contractor shall be solely responsible for carrying out the mandatory tests required for the quality control at his own cost.
22. **Termination:-** The employer may terminate the contract if the contractor causes a fundamental breach of the contract.
23. **Court's Jurisdiction:-** In case of any dispute/differences between contractor and department the jurisdiction shall be union territory of J&K

**Sr. Executive Engineer**  
**Electric Maintenance Division**

**Quantity Schedule /Advertised Rate list for the work of “Electrification of newly constructed Extension Building of Computer Science and ECE Engineering Department” (Adv. Cost Rs. 17.74 lacs)**

S. No.	Description of Item	Rate to be quoted by the Contractor (%)
01	Contractor may quote single percentage of rate above or below (Appreciation/depreciation) over advertised cost neatly in figures as well as in words. Items to be executed are given below in the Table.	

**List of Items to be executed**

S. No	Item Description	Qty	Rate
1	Wiring for light point / fan point /exhaust point / call bell point with 1.5 sq. mm FRLS PVC insulated Copper Conductor Single Core Cable in surface / recessed medium class PVC Conduit with Modular Switch, Modular Plate, Suitable GI box & earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc as required.		
	a) Group C	110 Nos	990/-
2	P/F of Electric board point with earth wire in 4 mm multi stranded PVC copper wire in 1" 2mm PVC pipe/ channel of Plaza/Alba Make to be laid underground to be recessed in the wall with following accessories of modular series to be fitted on metallic box of suitable size (recess type). Complete in all respects including resurfacing of room plaster. 1. 15 Amp Switch FT 1No. 2. 15 Amp Socket FT 2No. 3. 5 Amp, 5-pin Socket 2No. 4. Indicator 1No. 5. Fuse 1No.	100 Nos	2,000/-
3	P/F of UTP Cat-6e cable of Dlink make in 2mm PVC pipe of Alba/Plaza make of suitable size. Complete in all respect. Note: Labeling is mandatory	2000 Mtr	75/ mtr
4	P/F of I/O box (computer socket-RJ45) with key stone/face plate for internet connection of Dlink/legrand make with suitable connections. Complete in all respects.	100 Nos	600.00
5	P/F of high lumen LED 6500k (4ft ft) wall mounted LED batten, extruded aluminum heat sink provided for efficient heat dissipation & integrated electronic driver complete in all respects. Complete in all respects. (Make Phillips TYPE: BN100C LED40S-6500 PSU L120 GR)	80 Nos	2,250/-
6	P/F of 1200 mm sweep Metallic ceiling fan with 300 watt 5 step regulator and hook for fan. The job includes providing of fan hook in wooden/concrete ceiling wherever needed. Complete in all respects.	20 Nos	1,500/-
7	Supplying & fixing following <b>modular switch of 25 Amp</b> , Socket outlet of <b>3 pin 25 Amp</b> and GI metal box along with modular base & cover plate of 3 module (100mm × 75mm ) for modular switches in recess including connections etc as required. complete the job in all respects.	40 Nos	400/-
8	Supplying and fixing 5A to 32 A rating, 240/415 V, 10 kA, “C” curve, miniature circuit breaker suitable for inductive load of following poles		

	in the existing MCB DB complete with connections, testing and commissioning etc. as required.		
	a) Single Pole.	70 Nos	199/-
	b) Double pole.	15 Nos	556/-
	c) Triple pole and neutral	10 Nos	1,092/-
9	Supplying and fixing 63 A rating, 415 V, 16kA "C" curve, <b>Four Pole</b> Miniature Circuit Breaker suitable for Heavy inductive load ,in the MCB DB complete with connections, testing and commissioning etc. as required.	5 Nos	4,500/-
10	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.		
	40 A	5 Nos	2,626
	63 A	5 Nos	2,777
11	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)		
	4 way (4 + 12), Double door	5 Nos	3,068/-
	6 way (4 + 18), Double door	3 Nos	3,693/-
12	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.		
	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	300 Mtr	146/-
	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	1000 Mtr	167/-
	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	300 Mtr	200/-
	2×6 sq.mm + 1×6 sq.mm earth wire	300 Mtr	249/-
	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	250 mtr	543/-
	4 X 16 sq. mm + 2 X 6 sq. mm earth wire	200 Mtr	752/-
13	Supplying, installation, testing & commissioning of factory assembled Dust & Vermin Proof wall mounted/ Outdoor LT cubical type compartmentalized panel of <b>200 A TPN Aluminum Busbar panel</b> (CPRI Approved) fabricated out of 2 mm thick MS sheet, <b>300mm Deep</b> with locking arrangement, cable alleys, bus bar chamber etc powder coated self supported suitable for 3 phase 4 wire, AC supply, i/c supplying & fixing following accessories as detailed below, i/c bus bars connections / inter connections to MCCB compartments , arrangement for cable entry, supports, end terminations, 2 Nos. earthing stud inter connection with 25mm x 5mm GI strip (externally), painting, etc. complete as required. <b>The compartmentalized Outdoor Double Door panel consisting of various outgoing compartments for 63/125/160/ A MCCBs with a minimum space of 200 mm between each outgoing compartments with suitable cable alley. Complete in all respects.</b>	1 Nos	30,000/-
14	<b>250 Amps. 4P MCCB of breaking capacity 36 KA</b> (Cat No: LV525343) with thermal magnetic release ICU= Ics= 100%, necessary spreader terminals and phase barriers on incoming & outgoing side complete as required (for out going).	1 Nos	26,000/-
15	<b>63 Amps. 4P MCCB of breaking capacity 25 KA</b> (Cat No: LV510303) with thermal magnetic release ICU=Ics=100%, necessary spreader terminals and phase barriers on incoming & outgoing side complete as		

	required (for out going).	3 Nos	9,430/-
16	<b>40 Amps. 4P MCCB of breaking capacity 25 KA</b> (Cat No: LV510303) with thermal magnetic release ICU=Ics=100%, necessary spreader terminals and phase barriers on incoming & outgoing side complete as required (for out going).	1 Nos	9,430/-
17	Supply and Installation of <b>Extended rotatory handle panel mounted</b> for MCCBs with clear indication of ON/OFF /Trip Indication and having IP 54 degree of protection. <b>(For 100/160/250A MCCBs)</b>	5 Nos	1,650/-
	Supply and Installation of <b>3 phase 415 Volt Digital voltmeter and 3-phase Ammeter with separate indicators for each phase</b> mounted on top of the front side of panel including all connections.	1 Nos	3,000/-
18	P/F of earthing to main board which includes digging of earth pit upto 8', filling of earth pit with charcoal, salt etc. of required quantity and fixing of copper plate of 600mm x 600mm x 5mm dimensions and provide masonry enclosure with plate having locking arrangement and water pipe of 2.7 meter long cover long etc with charcoal/coal and salt as required. The job includes 0.5 inch copper strip to be earthed with sub-main LT panel/distribution box. Complete in all respects.	2 No	15,000/-
20	Supplying and laying 25 mm X 5 mm copper strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mm)	30 Mtr	853/-
21	Supplying and laying of one XLPE insulated & PVC sheathed aluminum conductor armoured power cable of 1.1kv grade of following size in the existing RCC/HUME/STONEWARE/METAL or direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required. Complete in all respects. <b>Note: Cables to be laid at a depth of 2.5 feet.</b>		
	4c x 150 sq. mm	60 Mtr	855/
22	Supplying and Laying DWC HDPE pipe as per IS14930 (Part-II) complete with fitting and accessories in ground at the depth of 75cm laying of cable including excavation and refilling the trench etc as required.		
	50mm (OD) / 39(ID)	50 mtr	250.00
<b>FIRE ALARM SYSTEM</b>			
23	Smoke Detector with built in LED, mounting base complete with all connection etc.	15 Nos	812/-
24	Manual call boxes of MS Type in surface/recess with stainless steel chain & hammer assembly complete with glass and push button etc.	6 Nos	300/-
25	SITC of high intensity weather resistant wailing type electronic hooter with sound output of 100-110 dB at 1 mtr , suitable for outdoor applications and suitable for operation on suitable DC supply (including batteries) whichever is needed including connections. Complete in all respects.	6 Nos	1900/-
26	2 Zone fire alarm control panel as per IS: 2189 with backlit LCD Display. (Non addressable, conventional) <b>TECHNICAL SPECIFICATIONS:</b> Panel Operating Condition Operating Voltage AC Power 220v AC, 50Hz ± 10% Standby 24v DC Operating, Temperature 0°C to 40°C Operating Humidity 95% (non-condensing)		

	Zone Operating Condition Normal Loop Voltage 23v DC. Outputs Hooter Output 1 A (24v DC) (Normal) NB Hooter output current can be increased as per customer requirement. <b>(Note: The panel be provided with batteries having atleast 6-8 hours backup time).</b> Complete in all respects.	1 No	12,000/-
27	Supply and laying of 2 core 1.5 sq mm unarmored cable FRLS PVC insulated Copper Conductor 2 Core Cable in surface / recessed in medium class PVC Conduit. Complete in all respects.	250 mtr	65/-
28	Carbon dioxide type fire extinguishers confirming to IS 2878 - 1976 and cylinders fully charged of 4.5 KG capacity hanged on wall with bracket complete as required.	1 No	10,000/-

**Sr Executive Engineer**  
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